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GNM/RAJ/rj/sksPaper No.: 6/2IN THE UNITED STATES PATENT & TRADEMARK OFFICE

Inventor(s): LEUNG, Albert M.

Title: GAS PRESSURE SENSOR BASED ON SHORT-DISTANCE HEAT CONDUCTION AND METHOD FOR FABRICATING SAME

Serial No.: 09/788,437Filed: 21 February 2001Examiner: FERGUSON, Marissa L.Art Unit: 2855Date: 26 March 2002To: Commissioner for Patents
Washington, D.C. 20231

FAX COPY RECEIVED

Dear Sir:

MAR 26 2002

TECHNOLOGY CENTER 2800

AMENDMENT

Responsive to the Office action mailed 28 December 2001, as extended by the accompanying Petition (if applicable), please amend this application as follows:

In the Claims

Please cancel claims 22 to 29 without prejudice.

Please add new claims 30 to 43 as follows:

30. (New) A pressure sensor comprising a member adherent by stiction to a surface of a substrate, a heater located to heat the member and a temperature sensor located to generate a signal responsive to a temperature of the member.

31. (New) The pressure sensor of claim 30 wherein at least one of a surface of the member in contact with the substrate and a surface of the substrate in contact with the member has a surface roughness in the range of nanometers to tens of nanometers.